

**POWER CABLE**  
**Cu, FR-XLPE insulated, PVC bedding, SWA, PVC outer sheath**  
**IEC60332.3-22 A, Gen to IEC60502**

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<b>Type</b>	<b>R-Cu/FR-XLPE/PVC/SWA/PVC 0,6/1Kv</b>	<b>5G 16sqmm</b>
	<b>RE4ORFR 0,6/1Kv</b>	
<b>Conductor :</b>	Stranded plain copper conductor according to IEC60228 cl.2 size 16sqmm Diam. 5,2 mm	
<b>Insulation :</b>	Cross-linked FR-XLPE extruded compound	- Temperature range -20 + 90°C
	Thickness : 0,7 mm	- Temperature laying -5 + 90°C
<b>Laying up :</b>	Twisted to core, color Y/G - Red - Yellow - Blue - Black ( or to be agreed )	
<b>Bedding :</b>	PVC, Polyvinylchloride Low Smoke and Fume extruded compound	
	Thickness : 1,0 mm	
<b>Armour :</b>	SWA, Galvanized steel round wires	
	Thickness : 1,6 mm	
<b>Outer sheath :</b>	PVC, Polyvinylchloride Low Smoke and Fume extruded compound	
	Color : Black ( or to be agreed )	
	Thickness : 2,0 mm	
	Overall diameter : 29 mm	
	Total weight : 1790 Kg/Km	
<b>Marking :</b>	On the outer sheath " manufacturer's name year & description cable " with ink-jet printer.	
<b>Performance :</b>	- Conductor resistance 1,21 ohm/Km ( + 5% for multipair )	
	- Test voltage core to core 3,5 Kv	
	- Flame retardant according to IEC60332-3-22, CEI20-22/2	
	- Low smoke and fume as per IEC60754-1, CEI20-37	
	- HCL emission $\leq$ 17%	
	- Minimum bending radius 14 V. D.	
	- Hydrocarbon and UV resistant	

**Weight and diameter are theoretical + / - 10%**